

Amendments to Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A bone repair putty material, comprising:
a porous, resorbable particulate selected from an organic bone mineral, a natural bone-derived material, and a synthetic hydroxyapatite, said particulate in a concentration of 55 to 60 weight percent and having a bulk density of 1.1 to 1.3 g/cc; and
a resorbable carrier gel component for suspending said particulate, forming a putty formulation, for placing in a bony defect, said gel component having a sufficiently high molecular weight and concentration in the putty such that bone repair is facilitated while migration and expansion of said particulate is minimized.
2. (Original) The bone repair material of claim 1 wherein said resorbable particulate is bovine-derived having a particle size range of 250 to 1000 μm .
3. (Original) The bone repair material of claim 1 wherein said resorbable particulate is a porous hydroxyapatite derived from lime-containing algae, having a particle size range of 300-1000 μm .
4. (Original) The bone repair material of claim 1, wherein said carrier gel component comprises a polysaccharide.
5. (Previously Presented) The bone repair material of claim 4, wherein said carrier gel component is hyaluronic acid or its derivatives, or hydroxylpropyl cellulose or mixtures thereof.
6. (Previously Presented) The bone repair material of claim 5, wherein said carrier gel component is hyaluronic acid or its derivatives having a molecular weight of $0.7\text{-}2.0 \times 10^6$

Daltons and a final concentration of 45-64 mg/cc in the putty.

7. (Previously Presented) The bone repair material of claim 1, further comprising at least one P-15 synthetic biomimetic, polypeptide sequence of Type I collagen bound to said particulate.

8. (Previously Presented) A bone repair putty material for dental bone repair procedures, comprising:

a porous, resorbable, particulate selected from a synthetic, bone-like hydroxyapatite and an organic bone-derived particulate, said particulate in a concentration of 55 to 60 weight percent and having a bulk density of 1.1 to 1.3 g/cc; and

a hyaluronic acid gel, wherein said material is a moldable, cohesive putty for application to bony defects.

9. (Canceled)

10. (Previously Presented) The bone repair material of claim 8, wherein said bone repair material comprises 55 weight percent particulate and 45 weight percent hyaluronic acid gel.

11. (Canceled)

12. (Previously Presented) The bone repair material of claim 4, wherein said carrier gel is a hydroxylpropyl cellulose or methyl cellulose gel forming a moldable, cohesive putty.

13. (Currently Amended) The bone repair material of claim 8 further comprising a P-15 polypeptide sequence of collagen bound to the porous, ~~restorable-resorbable~~ particulate, wherein said particulate is a xenogenic bone mineral particulate of about 200-500 nm in diameter.

14. (Previously Presented) The bone repair material of claim 3 further comprising a P-15 polypeptide sequence of collagen bound to said porous hydroxyapatite derived from lime

containing algae of about 300-1000 μm in diameter, and wherein said carrier is hydroxylpropyl cellulose or hyaluronic gel carrier.

15.-18. (Canceled)

19. (Previously Presented) The bone repair material of claim 7, wherein the concentration of P-15 synthetic biomimetic, polypeptide sequence of Type I collagen in the putty is at least 800 mg/cc.